

73607-2

04/25/2002

1/4



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (117595C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number
73607-2

Date of Issuance
APR 25 2002

Term of Issuance: Conditional

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Name of Pesticide Product:
SynPer® 31-66-ULV

Name and Address of Registrant (include ZIP Code):

IDC Corporation
1558 Crossbeam Drive
Casselberry, FL 32721

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered, reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of you product under FIFRA section 4.
2. Make the following labeling changes:
 - a. Revise the EPA Registration Number to read "EPA Reg. No.73607-2"
 - b. Add specific information regarding droplet size to the "THERMAL AEROSOL FOGGING" directions.
 - c. Under "AERIAL APPLICATION" revise the last sentence before the "PROHIBITION ON AERIAL USE IN FLORIDA" to read as follows: "Flow rate and swath width should be set so as not to exceed 0.86 fluid ounce (0.0185 # permethrin and 0.0394 # piperonyl butoxide) per acre."

Signature of Approving Official:

Susan L. Stanton for George T. LaRocca

Date:

APR 25 2002

- d. Under ULV NON-THERMAL AEROSOL (COLD FOG), correct the mass median diameter of droplets to read "15 to 20 microns". The corrected sentence should read as follows: "To control Mosquitoes, Midges and Black flies apply **SynPer® 31-66 ULV** using any standard U.L.V. ground applicator capable of producing a non-thermal aerosol fog with droplets ranging in size from 5 to 30 microns in diameter and a mass median diameter (MMD) of 15 to 20 microns."
 - e. Under ULV NON-THERMAL AEROSOL (COLD FOG), correct the undiluted flow rate range to agree with the flow rate range in the table. The revised sentence should read: "When applying this product undiluted, apply at a flow rate of 0.49 to 5.16 ounces per minute at an average vehicle speed of 10 M.P.H."
 - f. Correct the formatting error in the "Undiluted" rate table. The last word ("ACRE") of the heading of the last column (FL. OZ. of SynPer 31-66 ULV PER ACRE) appears on the next line of the first column.
 - g. Under ULV NON-THERMAL AEROSOL (COLD FOG), add the following text to the second to last sentence regarding the use of flow rates greater than 20 oz. per minute: " ... and when fogging equipment is capable of such higher rates of output per minute".
3. Submit or cite all product performance data in your files to satisfy the performance standard for adult mosquito control. The public literature data you cited in support of this registration are considered supplemental and do not completely satisfy this requirement. The Agency intends to issue a general letter or Data Call-In Notice requiring product performance data of all registrants of similar products. Data submitted in response to this letter or Notice which are determined to be acceptable may be compensable; and registrants who do not submit or cite their own acceptable data may be required to make appropriate offers to pay to the data submitters.
 4. Please submit two (2) copies of your final printed label before you release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Page 3
EPA Reg. No. 73607-2

If you have any questions regarding this action, please contact Susan Stanton of my team at (703) 305-5218.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide Branch
Registration Division (7505C)

Enclosures

SynPer[®] 31-66-ULV

Mosquito Abatement Districts and Other Mosquito Control
 Active Synergized Synthetic Pyrethroid for use in the control
 Residential, Recreational, and Non-Crop Areas.

Control of Adult Mosquitoes

Contents (5): (30): Gallons

INGREDIENTS:

Permethrin: CAS [52645-53-1] -----	31.0%
Piperonyl Butoxide CAS [51-03-6] -----	66.0%
INERTS: "-----"	3.0%
Total 100.0%	

*Contains Petroleum Distillate
 Permethrin per gallon and 5.859 lbs. A.I. Piperonyl Butoxide per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTION: Si usted no lee ingles, no use este producto hasta que la
 etiqueta haya sido explicado ampliamente.

FIRST AID

Immediately call a Poison Control Center or doctor. Do not induce vomiting
 unless instructed by a poison control center or doctor. Do not give any liquid to the person. Do not
 touch an unconscious person.

Remove contaminated clothing. Rinse skin immediately with
 plenty of water. Call a poison control center or doctor for treatment advice.
 If inhaled, get person fresh air. If on skin, wash with soap and water.
 If on clothing, remove clothing. Wash clothing. If eyes are affected, wash with water for 15 minutes.
 If on face, wash with water. If on hands, wash with soap and water.
 If solvent presents an aspiration hazard. Gastric lavage is indicated
 only if directed by a physician. Vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS
 May cause eye damage injury. Harmful if swallowed or absorbed through
 contact with skin, eyes or clothing. Wash thoroughly with soap and
 water. Do not eat, drink, or use tobacco, or use the toilet.
 Avoid contact with treated skin. Contact may cause allergic reactions in some individuals.
 Wash and wash before reuse.

ENVIRONMENTAL HAZARDS

Toxic to fish and aquatic invertebrates. Do not apply directly to water,
 or to intertidal areas below the mean high water mark.
 Do not apply to areas where conditions favor drift and runoff from treated areas. Drift and runoff
 may be harmful to organisms in neighboring areas. Do not allow spray treatment to
 reach shellfish harvesting areas, poultry ranges or water supplies. Do not contaminate water when
 using this product.

This product is highly toxic to bees exposed to direct treatment on blooming
 crops. Do not apply this product or allow it to drift onto blooming crops or weeds while
 bees are active in treatment areas.

PHYSICAL AND CHEMICAL HAZARDS

Flammable liquid. Do not use, pour, spill or store near heat or open flame.

NOTICE:

Read the entire risk and liability of use, storage and/or handling of
 this product in accordance with the terms of this label.

Product No. 73607-E EPA Est. No. 53883-TX-1

DCI Corp.
 1833 Crossbeam Drive
 Perry, FL 32707 U.S.A.

ACCEPTED
 with COMMENTS
 In EPA Letter Dated:

APR 25 2002

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No.

73607-2

DIRECTIONS FOR USE (cont.)

ULV NON-THERMAL AEROSOL (COLD FOG)

SynPer 31-66 ULV is recommended for application as an Ultra Low Volume (ULV) non-thermal aerosol
 (Cold Fog) to control adult mosquitoes, flies and gnats in residential and recreational areas where these
 insects are a problem, such as but not limited to parks, campsites, woodlands, athletic fields, golf courses,
 residential areas, municipalities, gardens, playgrounds, recreational areas and non-crop waste areas. Do
 not apply within 100 feet (30 meters) of fish bearing waters. Do not allow spray treatment to drift onto
 pastureland, cropland, poultry ranges or water supplies. For best results treat when insects are most active
 and conditions are conducive to keeping the fog close to the ground. Repeat treatment when recommended
 by Public Health Officials or Mosquito Abatement Districts. To control Mosquitoes, Midges and Blackflies
 apply SynPer 31-66 ULV using any standard U.L.V. ground applicator capable of producing a non-
 thermal aerosol fog with droplets ranging in size from 5 to 30 microns in diameter and a mass median
 diameter (MMD) of 5 to 20 microns, (droplets should not exceed 50 microns and less than 5% of drops
 should be below 5 microns), with an application swath width of 300 feet. When applying this product
 undiluted, apply at a flow rate of 0.48 to 5.16 ounces per minute at an average vehicle speed of 10 M.P.H.
 These rates are equivalent to 0.00175 to 0.0185 pound of permethrin a.i. and 0.0038 to 0.0394 pound
 of piperonyl butoxide a.i. per acre. If a different vehicle speed is used, adjust the rate accordingly. Vary flow
 rates according to vegetation density and mosquito population. Use higher flow rates in heavy vegetation
 or when insect populations are high. An accurate flow rate control system must be used to ensure proper
 flow rate. SynPer 31-66 ULV may also be applied by diluting with a 60 to 100 second mineral oil or another
 suitable solvent, applied so as not to exceed the maximum a.i. rates per acre as shown below. If an alternate dilution
 is required, adjust the flow rate accordingly, provided droplet size and spectrum remain within label specifications.
 Do not exceed a flow rate of 20 oz. per minute unless recommended by equipment manufacturers and/or Public
 Health Officials when diluted 1 to 8 and high vehicle speeds of 15 to 20 m.p.h. are necessary in emergency
 conditions. SynPer 31-66 ULV may be applied effectively at speeds of 5 to 20 m.p.h.

CONDITIONS AND RATES TO USE SYNPER 31-66 ULV UNDILUTED

pounds a.i. per acre	PERMETHRIN PBO	APPLICATION RATES				FL. OZ. of SynPer 31-66 ULV PER
		FL. OZ. PER MINUTE AT M.P.H.				
ACRE		5 MPH	10 MPH	15 MPH	20 MPH	
0.01850	0.0394	2.582	5.163	7.745	10.326	0.8605
0.00700	0.0149	0.977	1.954	2.923	3.907	0.3256
0.00350	0.0075	0.488	0.977	1.465	1.954	0.1628
0.00175	0.0038	0.246	0.492	0.738	0.984	0.0820

DILUTION RATES FOR SynPer 31-66 ULV

FOR A 1:4 Dilution

Mix 1 part SynPer 31-66 ULV with 4 parts Suitable Mineral Oil; apply as follows:

pounds a.i. per acre	PERMETHRIN PBO	Application Rates				Fl. oz. finished spray per acre
		Fl. oz. per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.0149	4.88	9.77	14.65	19.53	1.6279
0.00350	0.0075	2.44	4.88	7.33	9.77	0.8140
0.00175	0.0038	1.23	2.46	3.69	4.92	0.4100

FOR A 1:8 Dilution

Mix 1 part SynPer 31-66 ULV with 8 parts Suitable Mineral Oil; apply as follows:

pounds a.i. per acre	PERMETHRIN PBO	Application Rates				Fl. oz. finished spray per acre
		Fl. oz. per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.0149	8.75	17.50	26.25	35.00	2.9167
0.00350	0.0075	4.375	8.75	13.125	17.50	1.4580
0.00175	0.0038	2.19	4.38	6.57	8.76	0.7300

FOR A 1:2 Dilution

Mix 1 part SynPer 31-66 ULV with 2 parts Suitable Mineral Oil; apply as follows:

pounds a.i. per acre	PERMETHRIN PBO	Application Rates				Fl. oz. finished spray per acre
		Fl. oz. per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.0149	2.917	5.833	8.751	11.667	0.9723
0.00350	0.0075	1.458	2.917	4.375	5.834	0.4862
0.00175	0.0038	0.737	1.475	2.212	2.949	0.2458

h/h